SECRET

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The Files

27 June 1957

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XG-1355, RD-85 - [redacted] - Trip Report

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1. General - A visit was made to the [redacted] Monday, 17 June 1957 to monitor the progress of the contractor in the production of 28 RS-11/series equipment under XG-1355 and discuss the RP-11 AC power supply being developed under RD-35, Task Order 2. Present were:

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[redacted]

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[redacted]

R&D/EP

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2. Delivery - The contractor is not able to meet his latest anticipated delivery date (all RS-11/series equipment by 30 June 1957) and is reluctant to make any tight estimate. [redacted]

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[redacted] The company delivered one B transmitter for evaluation and promised to air parcel post the balance of that station plus a C station minus the receiver by 25 June 1957. (This has been done.) The C receiver plus 2 A's, 2 B's, and 1 C is to follow in two weeks.

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3. Dial Calibration - One very slow and improper practice being followed by the company is to calibrate each individual dial tape. The company was directed to make one master dial for each type receiver and then duplicate the master dial for the quantity of each type receiver delivered. This problem has been discussed with the company many times (with different engineers) since the specifications stipulate that the design effort shall be directed towards a simplified calibration technique in production. The undersigned expressed the opinion that the required calibration accuracy should not be a problem since C_{min} and C_{stray} were controlled by the uniformity of the printed circuitry and that otherwise the required high quality of the tuning condenser should determine the calibration accuracy. The company agreed to discontinue the practice of providing individually calibrated dial tapes.

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4. RP-11 Power Supply - Laboratory comments on the RP-11 power supply were discussed with [redacted]. Some of the laboratory's comments were actually her own recommendations when she took over the job. [redacted] agreed with the report in all areas, and the company was authorized to proceed with the fabrication of the balance of the prototype models incorporating such design modifications as recommended by the laboratory. A summary of laboratory test data is attached. 25X1 25X1

5. Voltage Taps - The principal design change (because it involves the procurement of a new transformer) will provide an improved voltage distribution as a function of line input. The following is a comparison of the old and new design:

Old		New	
Design Center	Voltage Tap Range	Design Center	Voltage Tap Range
70.0	70.0 - 82.5	77.0	70.0 - 84.0
95.0	82.5 - 107.5	93.0	85.0 - 102.0
120.0	107.5 - 135.0	113.0	103.0 - 124.0
150.0	135.0 - 170.0	137.0	125.0 - 150.0
190.0	170.0 - 210.0	165.0	151.0 - 183.0
230.0	210.0 - 250.0	200.0	184.0 - 223.0
270.0	250.0 - 270.0	244.0	224.0 - 270.0

[redacted] estimated that delivery of the prototypes would depend on transformer procurement which she thought might take two months. 25X1

[redacted] 25X1

Attachment: Summary of Test Data of the RP-11 AC Power Supply

OC-E/R&D-EP/CEM:cmf (27 June 1957)
cc: R&D Subject File
Monthly Report (2)
O&T/SB
R&D Chrono
EP Chrono
R&D Lab
RD-85